

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

TEMPERATURE CONTROLLED SEMICONDUCTOR PROCESSING CHAMBER LINER

SPECIFICATION IDENTIFICATION

The specification of which:

- ☐ is attached hereto
- ☒ was filed on 3/7/2002, under Serial No. 09/519,717, executed on even date herewith; or
☐ Express Mail No. _____ as Serial No. not yet known)
and was amended on _____ (if applicable)
- ☐ was described and claimed in PCT International Application No. _____
filed on _____ and as amended under PCT Article 19 on _____.

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56,

and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, and

- ☐ In compliance with this duty, there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim priority benefits under Title 35, United States Code, §119, of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America or of any United States Provisional Application(s) listed below, and have also identified below any

foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

☒ No such applications have been filed.

☐ Such applications have been filed as follows:

A. Prior foreign/PCT/provisional application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 U.S.C. §119

<u>Country/PCT</u>	<u>Application No</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO
			<input type="checkbox"/> YES <input type="checkbox"/> NO

B. All foreign application(s), if any, filed more than 12 mos. (6 mos for design) prior to this U.S. application

Country:
Application No:
Filing date:

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S) UNDER 35 U.S.C. §120

I hereby claim benefit under Title 35, United States Code, § 120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

PRIOR U.S. APPLICATION(S) FOR WHICH BENEFIT UNDER 35 U.S.C. § 120 IS CLAIMED

<u>Serial No.</u>	<u>Filing Date</u>	<u>Status</u>		
		<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
		<input type="checkbox"/> patented	<input type="checkbox"/> pending	<input type="checkbox"/> abandoned
		<input type="checkbox"/> patented	<input type="checkbox"/> pending	<input type="checkbox"/> abandoned
		<input type="checkbox"/> patented	<input type="checkbox"/> pending	<input type="checkbox"/> abandoned

POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Michael L. Sherrard Registration No. 28,041
Peter J. Sgarbossa Registration No. 25,610
Donald Verplancken Registration No. 33,217

Raymond Kam-on Kwong Registration No. 37,165
Robert W. Mulcahy Registration No. 25,436
James C. Wilson Registration No. 35,412

Lawrence Edelman Registration No. 25,226
Michael Einschlag Registration No. 29,301

Raymond R. Moser Jr. Registration No. 34,682
Joseph Pagnotta Registration No. 39,322

Atty. Dkt. No. 4150

Send correspondence to:

PATENT COUNSEL
Legal Affairs Dept.
Applied Materials, Inc.
P.O. BOX 450A
Santa Clara, CA 95052
FAX: 408-986-3090

Direct telephone calls to:

Raymond R. Moser Jr.
732-530-9404

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: Hamid Noorbakhsh

Inventor's signature: Hamid NoorbakhshDate: 3/21/00

Residence: 40327 Canyon Heights Drive, Fremont, CA 94539

Post Office Address: same as above

Country of Citizenship: Iran

Full name of second inventor: Siamak Salimian

Inventor's signature: Siamak SalimianDate: 3/24/00

Residence: 958 Gerber Court, Sunnyvale, CA 94087

Post Office Address: same as above

Country of Citizenship: U.S.A.

Full name of third inventor: Paul Luscher

Inventor's signature: Paul LuscherDate: 3/24/00

Residence: 1365 Flicker Way, Sunnyvale, CA 94087

Post Office Address: same as above

Country of Citizenship: U.S.A.

Full name of fourth inventor: James D. Carducci

Inventor's signature: James D. CarducciDate: 3/21/00

Residence: 731 Gail Avenue, Sunnyvale, CA 94086

Post Office Address: same as above

Country of Citizenship: U.S.A.

Full name of **fifth** inventor: Evans Lee

Inventor's signature: _____

Residence: 2327 Farmcrest Street, Milpitas, CA

Post Office Address: same as above

Date: 3/22/00

Country of Citizenship: U.S.A.

Full name of **sixth** inventor: Kaushik Vaidya

Inventor's signature: _____

Residence: 1074 Reed Avenue, Apt. 62, Sunnyvale, CA 94086

Post Office Address: same as above

Date: 3/21/00

Country of Citizenship: India

Full name of **seventh** inventor: Hongqing Shan

Inventor's signature: _____

Residence: 3630 Tumble Way, San Jose, CA 95132

Post Office Address: same as above

Date: 3/21/00

Country of Citizenship: P.R.C.

Full name of **eighth** inventor: Michael D. Welch

Inventor's signature: _____

Residence: 940 Roma Street, Livermore, CA 94550

Post Office Address: same as above

Date: 3/24/00

Country of Citizenship: U.S.A.

Case No. 4150

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses
of Inventors:

- | | |
|--|---|
| <p>1) Hamid Noorbakhsh
40327 Canyon Heights Drive
Fremont, CA 94539</p> <p>2) Siamak Salimian
958 Gerber Court
Sunnyvale, CA 94087</p> <p>3) Paul Luscher
1365 Flicker Way
Sunnyvale, CA 94087</p> <p>4) James D. Carducci
731 Gail Avenue
Sunnyvale, CA 94086</p> | <p>5) Evans Lee
2327 Farmcrest Street
Milpitas, CA</p> <p>6) Kaushik Vaidya
1074 Reed Avenue, Apt. 62
Sunnyvale, CA 94086</p> <p>7) Hongqing Shan
3630 Tumble Way
San Jose, CA 95132</p> <p>8) Michael D. Welch
940 Roma Street
Livermore, CA 94550</p> |
|--|---|

(hereinafter referred to as Assignors), have invented a certain invention entitled:

TEMPERATURE CONTROLLED SEMICONDUCTOR PROCESSING CHAMBER LINER

for which application for Letters Patent in the United States was filed on 03/07/2000 under Serial No. 09/519,719, executed on even date herewith; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer and convey to Assignee the full and exclusive right, title and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.
2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest to said Invention

herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1) 3/21/00, 2000

Hamid Noorbakhsh
Hamid Noorbakhsh

2) 3/24/00, 2000

Siamak Salimian
Siamak Salimian

3) 3/24, 2000

Paul Luscher
Paul Luscher

4) 3/21/, 2000

James D. Carducci
James D. Carducci

5) 3/22/00, 2000

Evans Lee
Evans Lee

6) 3/21/, 2000

Kayshik Vaidya
Kayshik Vaidya

7) 3/21, 2000

Hongqing Shan
Hongqing Shan

8) 3/24, 2000

Michael D. Welch
Michael D. Welch